

PLUS Search Results for S/N 10729017, Searched June 17, 2005

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abstract 1
acceptable 1
acoustic 8
acts 1
addition 1
additionally 1
advantageous 1
advantages 1
air 5
also 1
alternatively 2
alternatively 2
an 18
analysis 1
and 31
another 3
apparent 1
applications 2
are 12
areas 2
art 1
as 7
at 2
atmosphere 1
audi 1
audible 1
audio 14
axis 2
background 1
bare 1
bass 6
be 14
become 2
been 2
began 1
being 1
below 3
beyond 1
boom 1
box 3
brief 1
buying 1
by 8
called 3
can 15
cancel 1
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challenges 1
channel 1
characterize 1
choice 1
chrmnel 1
clos 1
closed 2
common 1
commonly 2
companies 1
company 1
competitive 1
completely 1
complications 1
components 1

compound 1
computer 1
computers 2
concluded 1
configuration 1
configured 2
conjunction 2
connected 1
consistent 1
consisting 1
constraints 1
consumers 1
contains 1
contempore 1
content 1
continually 1
continuously 4
conventional 1
cost 3
couple 1
course 1
create 3
created 2
creating 1
creation 1
cylinddcal 2
cylinder 2
cylindrical 5
cymbals 1
deliver 1
description 4
design 2
designed 1
desip 1
desir 1
desirable 1
desired 1
desiring 1
desirs 3
detailed 2
devoted 1
diagrams 2
diapams 1
diapnms 1
difficulties 1
dim 1
dimension 11
dimensions 2
disclosed 2
disclosure 1
discovered 2
doc 1
drawings 2
driver 10
drivers 2
drum 1
duct 9
ducted 1
ducts 1
due 1
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effective 1
electronic 1

electronics 1
elevation 2
eliminate 1
embodiment 5
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en 1
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enclosure 37
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engineers 4
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extemal 3
extemally 7
extend 3
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face 3
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featly 1
features 1
fidelity 2
field 2
figure 3
figures 4
first 6
for 8
form 1
forth 1
found 1
founded 1
fowths 1
frequencies 2
frequency 6
from 6
full 3
fundamental 1
further 1
gequency 4
german 1
gom 2
gradually 1
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has 1
hat 1
have 4
having 2
heard 1
helmholtz 4
hemmn 1
hereina 1
hi 1
high 4
history 1
housed 1
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ic 1
identified 1
ifmn 1
implement 1
implementation 2
implemented 2
implementing 1
improve 1
improved 1
in 11
includ 1
include 3
includes 4
increased 2
industry 1
information 6
innovative 2
inside 2
instrumentation 1
instruments 5
intemal 1
internal 2
into 6
invention 4
is 11
jensen 1
keep 1
kick 1
known 1
leads 1
led 1
like 2
limited 1
listener 1
lmplementation 1
lmprovements 1
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lnvention 2
loudness 1
loudspeaker 3
low 8
lower 3
lt 1
market 1
markets 1
mass 1
may 12
means 1
method 4

methods 1
mid 1
minimized 1
modified 1
more 4
most 1
mother 1
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music 1
musical 1
natural 1
need 1
ng 1
nineteenth 1
nllmerals 1
nllmerous 1
no 1
not 2
notebook 1
nsion 1
numbers 1
objective 1
objectives 1
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om 3
on 2
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onto 1
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open 2
opening 12
operling 1
or 22
other 2
output 1
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outward 1
over 1
padually 1
page 5
parallel 2
parameters 1
particularly 1
parts 1
patent 2
percussion 3
phasing 1
physician 1
pioneer 1
pipe 3
plots 1
popular 1
port 20
ported 13
portion 1
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positioned 1
price 1
primary 18
produce 3
produced 5

product 2
products 3
provide 1
purpose 1
quality 1
range 6
ransition 1
rapid 1
reacts 1
reduced 1
reference 1
referred 1
reflex 6
reinforce 2
related 1
relates 2
rely 1
remove 1
reproduced 1
reproduction 1
requency 1
research 2
resonant 1
resonating 2
resonator 6
respected 1
response 12
results 1
reviewing 1
richard 1
scientists 1
search 1
section 2
seen 1
selected 1
set 1
share 1
short 1
should 1
side 2
similar 1
single 2
slllmmarv 1
small 5
society 1
solution 2
solutions 2
some 1
soocsgbhgbh 1
sought 1
sound 2
speaker 57
speakers 1
specifications 1
springiness 1
standard 1
standards 1
stringed 1
strive 1
styles 1
substantially 1
successful 2
such 7

system 2
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taken 1
tapers 1
tech 1
televisions 1
testing 1
that 17
the 120
theater 2
theories 1
theory 1
these 3
thiele 5
this 2
throughout 1
thus 1
tllrough 1
to 45
today 1
tone 2
towards 1
transition 7
transitions 1
ttzbe 1
tube 7
tuned 1
two 1
type 2
typically 3
used 5
utilized 1
variations 3
various 1
vary 2
vent 2
vented 1
view 2
volume 1
von 1
walls 1
was 2
well 1
when 2
where 2
wherein 1
which 2
will 1
wind 1
with 4
without 2
witllin 1
years 1

10729017_CLSTITLES
Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10729017 on June 17, 2005

23 181/156 (8 OR, 15 XR)
Class 181 : ACOUSTICS
181/148 DIAPHRAGM AND ENCLOSURE
181/156 .Reflex baffle

11 181/199 (1 OR, 10 XR)
Class 181 : ACOUSTICS
181/175 SOUND-MODIFYING MEANS
181/198 .Housing or enclosure (e.g., sound confining
and absorbing)
181/199 ..Speaker type

9 381/349 (2 OR, 7 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/337 .Having acoustic wave modifying structure
381/345 ..Acoustic enclosure
381/349 ...Bass reflex (e.g., rear wave)

8 181/144 (0 OR, 8 XR)
Class 181 : ACOUSTICS
181/144 PLURAL DIAPHRAGM SOUND SOURCES

8 381/345 (2 OR, 6 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/337 .Having acoustic wave modifying structure
381/345 ..Acoustic enclosure

6 381/350 (3 OR, 3 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/337 .Having acoustic wave modifying structure
381/345 ..Acoustic enclosure
381/350 ...Front wave

5 181/145 (2 OR, 3 XR)
Class 181 : ACOUSTICS
181/144 PLURAL DIAPHRAGM SOUND SOURCES
181/145 ..Plural chambers

5 181/150 (0 OR, 5 XR)
Class 181 : ACOUSTICS
181/148 DIAPHRAGM AND ENCLOSURE
181/150 .Recessed (e.g., wall-mounted, etc.)

5 181/155 (1 OR, 4 XR)
Class 181 : ACOUSTICS
181/148 DIAPHRAGM AND ENCLOSURE
181/155 .Reflector baffle

5 381/335 (0 OR, 5 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/87 HAVING NON-ELECTRICAL FEATURE (E.G., MOUNTING)

10729017_CLSTITLES
381/332 .And loudspeaker
381/335 ..Plural diaphragms, compartments, or housings

5 381/338 (2 OR, 3 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/337 .Having acoustic wave modifying structure
381/338 ..With tubular waveguide or resonant element

5 381/351 (0 OR, 5 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/337 .Having acoustic wave modifying structure
381/345 ..Acoustic enclosure
381/351 ...Plural chambers

4 181/148 (1 OR, 3 XR)
Class 181 : ACOUSTICS
181/148 DIAPHRAGM AND ENCLOSURE

4 181/151 (1 OR, 3 XR)
Class 181 : ACOUSTICS
181/148 DIAPHRAGM AND ENCLOSURE
181/151 .With sound-absorbing means

4 181/153 (0 OR, 4 XR)
Class 181 : ACOUSTICS
181/148 DIAPHRAGM AND ENCLOSURE
181/153 .Rounded enclosure (e.g., curved, etc.)

4 181/154 (0 OR, 4 XR)
Class 181 : ACOUSTICS
181/148 DIAPHRAGM AND ENCLOSURE
181/154 .Inclined diaphragm

4 381/386 (3 OR, 1 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/386 .Mounting or support feature of housed
loudspeaker

3 181/146 (1 OR, 2 XR)
Class 181 : ACOUSTICS
181/144 PLURAL DIAPHRAGM SOUND SOURCES
181/146 .With sound-absorbing means

3 181/152 (3 OR, 0 XR)
Class 181 : ACOUSTICS
181/148 DIAPHRAGM AND ENCLOSURE
181/152 .With horn

3 181/160 (1 OR, 2 XR)
Class 181 : ACOUSTICS
181/157 DIAPHRAGM
181/160 .With resonant chamber

3 181/163 (0 OR, 3 XR)
Class 181 : ACOUSTICS
181/157 DIAPHRAGM

181/163 .Plural dependent diaphragms

3 181/206 (2 OR, 1 XR)
 Class 181 : ACOUSTICS
 181/175 SOUND-MODIFYING MEANS
 181/206 .By wave interference

3 381/336 (0 OR, 3 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/87 HAVING NON-ELECTRICAL FEATURE (E.G., MOUNTING)
 381/332 .And loudspeaker
 381/336 ..Curved or angled housing

3 381/71.5 (1 OR, 2 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/71.1 ACOUSTICAL NOISE OR SOUND CANCELLATION
 381/71.5 .Within duct

3 381/71.7 (1 OR, 2 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/71.1 ACOUSTICAL NOISE OR SOUND CANCELLATION
 381/71.7 .Particular transducer or enclosure structure

3 381/89 (1 OR, 2 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/87 HAVING NON-ELECTRICAL FEATURE (E.G., MOUNTING)
 381/89 .Loudspeakers driven in given phase
 relationship

3 381/91 (0 OR, 3 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/87 HAVING NON-ELECTRICAL FEATURE (E.G., MOUNTING)
 381/91 .Having microphone

3 381/96 (2 OR, 1 XR)
 Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
 AND DEVICES
 381/96 LOUDSPEAKER FEEDBACK

2 181/141 (1 OR, 1 XR)
 Class 181 : ACOUSTICS
 181/141 COMBINED

2 181/159 (0 OR, 2 XR)
 Class 181 : ACOUSTICS
 181/157 DIAPHRAGM
 181/159 .With horn

2 181/196 (0 OR, 2 XR)
 Class 181 : ACOUSTICS
 181/175 SOUND-MODIFYING MEANS
 181/196 .Within tubular means

2 181/296 (0 OR, 2 XR)

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Class 181 : ACOUSTICS
181/175 SOUND-MODIFYING MEANS
181/296 .Methods

2 381/300 (0 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/1 BINAURAL AND STEREOFONIC
381/300 .Stereo speaker arrangement

2 381/306 (2 OR, 0 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/1 BINAURAL AND STEREOFONIC
381/300 .Stereo speaker arrangement
381/306 ..With image presentation means

2 381/333 (0 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/87 HAVING NON-ELECTRICAL FEATURE (E.G., MOUNTING)
381/332 .And loudspeaker
381/333 ..With furniture, clothing, or image
presentation means

2 381/341 (0 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/337 .Having acoustic wave modifying structure
381/339 ..Sound intensifying or spreading element
381/340 ...Horn
381/341Inverted, folded, or curled

2 381/352 (0 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/337 .Having acoustic wave modifying structure
381/345 ..Acoustic enclosure
381/352 ...Having internal wave reflecting means

2 381/354 (0 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/337 .Having acoustic wave modifying structure
381/354 ..Absorbing or attenuating element

2 381/361 (0 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/355 .Housed microphone
381/361 ..Mounting or support

2 381/388 (0 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/150 ELECTRO-ACOUSTIC AUDIO TRANSDUCER
381/386 .Mounting or support feature of housed
loudspeaker

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381/388 ..with furniture, clothing, or image display

2 381/86 (0 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/86 VEHICLE

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Most Frequently Occurring Classifications of Patents Returned
From A Search of 10729017 on June 17, 2005

Original Classifications

8	181/156
3	181/152
3	381/350
3	381/386
2	181/145
2	181/206
2	381/306
2	381/338
2	381/345
2	381/349
2	381/96

Cross-Reference Classifications

15	181/156
10	181/199
8	181/144
7	381/349
6	381/345
5	181/150
5	381/335
5	381/351
4	181/153
4	181/154
4	181/155
3	181/145
3	181/148
3	181/151
3	181/163
3	381/336
3	381/338
3	381/350
3	381/91
2	181/146
2	181/159
2	181/160
2	181/196
2	181/296
2	381/300
2	381/333
2	381/341
2	381/352
2	381/354
2	381/361
2	381/388
2	381/71.5
2	381/71.7
2	381/86
2	381/89

Combined Classifications

23	181/156
11	181/199
9	381/349
8	181/144
8	381/345
6	381/350
5	181/145
5	181/150

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5 181/155
5 381/335
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5 381/351
4 181/148
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4 181/154
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3 181/146
3 181/152
3 181/160
3 181/163
3 181/206
3 381/336
3 381/71.5
3 381/71.7
3 381/89
3 381/91
3 381/96
2 181/141
2 181/159
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2 381/86

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